

## Comments on a new book on the Amphibia of Thailand, with a tentative allocation of the figured species

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*Amphibians of Thailand* by WIROT Nutphund is a nice book, with numerous colour drawings and photos for many of the Thai species. For each of them the author gives scientific, English and Thai name, followed by a short description, notes on ecology and distribution data. He also presents drawings of eggs and tadpoles of various species. However, beside its very nice aesthetic aspect, this book contains many errors. As it is sold in general book stores and on internet, and will be purchased by many people, I decided to publish corrected legends to photos. For many photographs it is not possible to allocate species, so only generic names are given. These tentative allocations, presented in table 1, are exclusively done for the species figured on a photo (NUTPHUND, 2001: 60-177). Drawings of this book, that show a more artistic than scientific expression, have not been studied. The valid names of all species with their author and date of publication are given for allocated species (for runs, see DELBOIS, 1992).

### ADDITIONAL COMMENTS

The photo p. 103 (NUTPHUND, 2001) shows a particular colour morph of *Rana erythraea* with a fine, indistinct mid-dorsal line (BOURRET, 1942: 331). The overall colour of the frog is darker than the usual bright grass green.

The photo p. 149 (NUTPHUND, 2001) represents an interesting colour mutation, resulting in a beautiful sky blue frog with orange webbing on hand and feet and small white dots on the back. This blue colour was found in other species of frogs like in *Rana synchl. esculenta* Linnaeus, 1758 and *Hyla arborea* (Linnaeus, 1758). It is due to absence of yellow xanthophores in the skin. The frog can with no doubt be allocated to *Rhacophorus bipunctatus* Ahl, 1927.

BOURRET (1942) described a subspecies *Kaloula pulchra macrocephala* (syntypes, Hanoi University B.35, adult male, B.36 adult female, type-locality: Indochina) showing indistinct dorsolateral bands and mid-dorsum covered by large-sized irregular patches. The holotype by monotypy of *Kaloula aureata* Nutphund, 1989 (MNHN 1997: 4973, adult male, SVL 59.9 mm after preservation, donated by Nutphund to the Paris Museum, type-locality: Thang Song District, Nakhon Si Thammarat, Thailand) is figured p. 163 (NUTPHUND, 2001) and shows a similar dorsal pattern as the holotype of *Kaloula pulchra macrocephala*. The name *Kaloula aurcata* Nutphund, 1989 is here tentatively considered a subjective junior synonym of *Kaloula macrocephala* Bourret, 1942.

Table 1 Tentative allocation of specific names to photographs of Amphibia in NUTPUND (2001)

Page	Name in NUTPUND (2001)	Corrected name
60	<i>Tylototriton verrucosus</i>	<i>Tylototriton verrucosus</i> Anderson, 1871
61	<i>Ichthyophis kohtaoensis</i>	<i>Ichthyophis kohtaoensis</i> Taylor, 1959
64-65	<i>Bufo melanostictus</i>	<i>Bufo melanostictus</i> Schneider, 1799
71	<i>Bufo asper</i>	<i>Bufo asper</i> (Gravenhorst, 1829)
72	<i>Bufo macrotis</i>	<i>Bufo macrotis</i> Boulenger, 1887
73	<i>Bufo parvus</i> [sic]	<i>Bufo parvus</i> Boulenger, 1887
74	<i>Ansonia malayana</i>	<i>Bufo asper</i> (Gravenhorst, 1829), juvenile
75	<i>Pedostibes hosu</i>	<i>Pedostibes hosu</i> (Boulenger, 1892)
76	<i>Leptobrachium hasseltii</i>	<i>Micrylenta inornata</i> (Boulenger, 1890)
77	<i>Leptobrachium hendricksoni</i>	<i>Leptobrachium hendricksoni</i> Taylor, 1962
79	<i>Leptobrachium minimum</i>	<i>Kalophrynus interlineatus</i> (Blyth, 1855)
80	<i>Megophrys monticola</i>	<i>Xenophrys</i> sp
81	<i>Megophrys monticola nasuta</i>	<i>Megophrys nasuta</i> (Schlegel, 1837)
82	<i>Megophrys carinensis</i> [sic]	<i>Brachytarsophrys carinensis</i> (Boulenger, 1889)
83	<i>Megophrys feae</i>	<i>Brachytarsophrys feae</i> (Boulenger, 1887)
84	<i>Megophrys longipes</i>	<i>Xenophrys</i> sp
85	<i>Megophrys parva</i>	<i>Xenophrys</i> sp
86	<i>Megophrys aceras</i>	<i>Xenophrys aceras</i> (Boulenger, 1899)
87	<i>Megophrys major</i>	<i>Xenophrys major</i> (Boulenger, 1908)
89	<i>Hyla annectens</i> [sic]	<i>Rana (Odorrana) andersoni</i> Boulenger, 1882
90	<i>Oeidozyga lima</i>	<i>Oeidozyga lima</i> (Gravenhorst, 1829)
91	<i>Phrynoglossus magnapustulosus</i>	<i>Limnonectes</i> sp
92	<i>Phrynoglossus mariensi</i>	<i>Phrynoglossus</i> sp
97	<i>Phrynoglossus laevis</i>	<i>Phrynoglossus</i> sp.
98	<i>Staurois larutensis</i>	<i>Amolops (Amo) larutensis</i> (Boulenger, 1899)
99	<i>Staurois afghanus</i>	<i>Rhacophorus feae</i> Boulenger, 1893
100	<i>Elachyglssa gyldenstolpei</i>	<i>Limnonectes laticeps</i> (Boulenger, 1882)
101	<i>Rana leptoglossa</i>	<i>Rana (Sylvirana) sp</i>
102	<i>Rana tasanae</i>	<i>Limnonectes</i> sp
103	<i>Rana tenasserimensis</i>	<i>Rana (Hylarana) erythraea</i> (Schlegel, 1837)
104	<i>Rana andersoni</i>	<i>Rana (Pelophylax) lateralis</i> Boulenger, 1920
105	<i>Rana blythii</i>	<i>Limnonectes blythii</i> (Boulenger, 1920)
106	<i>Rana macrodon</i>	<i>Limnonectes kuhlii</i> (Tschudi, 1838)
107	<i>Rana cyanophlyctis</i>	<i>Limnonectes</i> sp
108	<i>Rana tigrina</i>	<i>Hoplobatrachus chinensis</i> (Osbeck, 1765)
111	<i>Rana rugulosa</i>	<i>Hoplobatrachus chinensis</i> (Osbeck, 1765)
112	<i>Rana limnocharis</i>	<i>Fejervarya limnocharis</i> (Gravenhorst, 1829)
113	<i>Rana erythraea</i>	<i>Rana (Hylarana) erythraea</i> (Schlegel, 1837)
114	<i>Rana macrodactyla</i>	<i>Rana (Hylarana) macrodactyla</i> (Gunther, 1849)
115	<i>Rana cubitalis</i>	<i>Limnonectes</i> sp
116	<i>Rana muopus</i>	<i>Rana (Sylvirana) cubitalis</i> (Smith, 1917)
117	<i>Rana glandulosa</i>	<i>Rana (Pulchrana) glandulosa</i> Boulenger, 1882
118	<i>Rana chalconota</i>	<i>Rana (Chalcorana) chalconota</i> (Schlegel, 1837)
119	<i>Rana nigrovittata</i>	<i>Rana (Sylvirana) nigrovittata</i> (Blyth, 1855)
120	<i>Rana lateralis</i>	<i>Limnonectes</i> sp
123	<i>Rana hosu</i>	Same individual as p. 118 as <i>Rana chalconota</i> , i.e. <i>Rana (Chalcorana) chalconota</i> (Schlegel, 1837)
124	<i>Rana livida</i>	<i>Rana (Pulchrana) livida</i> (Blyth, 1855)
125	<i>Rana scutigerata</i>	<i>Rana (Sylvirana) sp</i>
126	<i>Rana doriae</i>	<i>Limnonectes blythii</i> (Boulenger, 1920)
127	<i>Rana kochangae</i> [sic]	<i>Rana (Pulchrana) glandulosa</i> Boulenger, 1882
129	<i>Rana pileata</i>	<i>Limnonectes gyldenstolpei</i> (Anderson, 1916)

Table I. (continued).

Page	Name in NUTHPUND (2001)	Corrected name
130	<i>Rana hacheana</i> [sic]	<i>Taylorana hascheana</i> (Stoliczka, 1870)
130	<i>Rana laticeps</i>	<i>Philautus</i> sp
135	<i>Rana cancrivora</i>	<i>Fejervarya cancrivora</i> (Gravenhorst, 1829)
136-137	<i>Rana fasciculospina</i> [sic]	<i>Paa</i> ( <i>Quasipaa</i> ) <i>fasciculospina</i> (Inger, 1970)
139	<i>Rhacophorus leucomystax leucomystax</i>	<i>Polypedates leucomystax</i> (Gravenhorst, 1829)
140	<i>Rhacophorus leucomystax sexvii gatus</i>	<i>Polypedates leucomystax</i> (Gravenhorst, 1829)
141	<i>Rhacophorus robinsoni</i>	<i>Rhacophorus robinsoni</i> Boulenger, 1903
143	<i>Rhacophorus collets</i>	<i>Polypedates</i> sp
147	<i>Rhacophorus nigropalmatus</i>	<i>Rhacophorus nigropalmatus</i> Boulenger, 1895
149	<i>Rhacophorus</i> (new sp.)	<i>Rhacophorus bipunctatus</i> Ahl, 1927
153	<i>Philautus vittatus</i>	<i>Polypedates</i> sp
154	<i>Philautus hansenae</i>	<i>Hyla annectans</i> (Jerdon, 1870)
155	<i>Philautus doriae</i>	<i>Philautus</i> sp
156	<i>Philautus nongkhorensis</i>	<i>Philautus</i> sp
157	<i>Philautus bimaculatus</i>	<i>Polypedates</i> sp.
158	<i>Philautus parvulus</i>	<i>Polypedates</i> sp
159	<i>Kaloula pulchra</i>	<i>Kaloula pulchra</i> Gray, 183.
161	<i>Kaloula mediotlineata</i>	<i>Kaloula mediotlineata</i> Smith, 1917
162	<i>Kaloula baleata</i>	<i>Kaloula baleata</i> (Müller, 1836)
163	<i>Kaloula aureata</i>	<i>Kaloula macrocephala</i> Bourret, 1942
164-65	<i>Calluella guttulata</i>	<i>Calluella guttulata</i> (Blyth, 1855)
166	<i>Glyphoglossus molossus</i>	<i>Glyphoglossus molossus</i> Günther, 1868
167	<i>Kalophrynus pleurostigma</i>	<i>Kalophrynus pleurostigma</i> Tschudi, 1838
169	<i>Microhyla pulchra</i>	<i>Microhyla pulchra</i> (Hallowell, 1860)
170	<i>Microhyla annamensis</i>	<i>Microhyla berdmorei</i> (Blyth, 1856)
171	<i>Microhyla ornata</i>	<i>Microhyla heymonsi</i> Vogt, 1911
174	<i>Microhyla inornata inornata</i>	<i>Microhyla ornata</i> (Duméril & Bibron, 1841)
175	<i>Microhyla inornata lineata</i>	<i>Micryletta inornata</i> (Boulenger, 1890)
176	<i>Microhyla berdmorei</i>	<i>Microhyla butleri</i> Boulenger, 1900
177	<i>Microhyla heymonsi</i>	<i>Microhyla heymonsi</i> Vogt, 1911

The error rate of taxonomic allocation is very high in this book: out of 81 species photographed, only 36 are allocated to the proper species. The taxonomy corresponds to the level of TAYLOR (1962) and no recent results, even the most conservative, have been introduced. In conclusion this book should not be considered as a reference for any scientific work.

## LITERATURE CITED

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